

## Contact

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(LinkedIn)

## Top Skills

Artificial Intelligence (AI)  
Quantum Computing  
Software Development

## Certifications

1st Place | Smart Mobile Application  
Contest 2024

3rd Place | 2nd Sustainability E-  
Gaming Competition

Power Electronics Reliability Short  
Course

1st Place | 4th Zayed University  
Digital Transformation AI Hackathon  
2025

Certified Member (CM)

## Honors-Awards

Dean's List (Spring 2022)

AP® Scholar with Honor

Water Sustainability Hackathon -  
Certificate of Appreciation

E-Gaming Hackathon - 3rd Place  
Certificate of Achievement

Alibaba Cloud A.I. Hackathon - "Best  
Presenter" Award

# Syed Affan

Junior AI Engineer at Ab Ovo | 8x Hackathon Winner | Ex-SWE  
Intern @ Siemens | Senior Computer Engineering Student @ Khalifa  
University | TEDx Speaker  
Abu Dhabi Emirate, United Arab Emirates

## Summary

Hey there! I'm Syed Affan, a curious student who's passionate about applying my technical experience to create innovative solutions. This curiosity has wound me up in an endless spiral of hackathons and competitions, resulting in me acquiring a comprehensive skillset ranging from immersive reality & full-stack game development with C# to the complex disciplines of Robotics & GPT/LLM-integration. I'm currently pursuing my Bachelor's Degree in Computer Engineering from Khalifa University.

## Experience

SociaAE

Co-Founder

February 2025 - Present (5 months)

Ab Ovo | Going Beyond Complexity

Junior AI Engineer

May 2025 - Present (2 months)

Amsterdam, North Holland, Netherlands

- Building a PIKE-RAG system to transform complex railway legal documents into actionable business intelligence.
- Engineering data ingestion pipelines, including document chunking, semantic embedding, and vector DB integration for specialized legal text retrieval.
- Optimizing Large Language Model (LLM) outputs via sophisticated prompt engineering to ensure contextually accurate and verifiable business analysis from legal sources.

Khalifa University

Undergraduate Researcher

August 2024 - Present (11 months)

Abu Dhabi Emirate, United Arab Emirates

Conducting research on leveraging a novel and adaptive transformer framework to enhance real-time cybersecurity on EC nodes within smart city infrastructures, benchmarking it against LLMs and various NN architectures.

## Siemens

### Software Engineering Intern

June 2024 - August 2024 (3 months)

Abu Dhabi Emirate, United Arab Emirates

- Minimized data processing time by 80% by developing KPI automation tool using Python for in-office workflows within Siemens' Smart Infrastructure EA CS department
- Participated in Cybersecurity upgradation project utilizing MS Power BI and MS Project to support execution and monitoring phases
- Completed comprehensive trainings on Siemens EA portfolio and PM, with practical experience at Power Academy in Dubai.

## Khalifa University

6 months

### Peer Tutor

January 2024 - June 2024 (6 months)

United Arab Emirates

Chosen as a Permanent Tutor for 4 major Computer Engineering courses and 2 Mathematics courses.

### Peer Mentor

January 2024 - May 2024 (5 months)

United Arab Emirates

- Selected as one of 60 Peer Mentors for KU's Mentoring Program to guide a group of Freshmen through college life & integration from high-school
- Mentoring in Calculus (face-to-face & online mentoring)

### Social Media Ambassador

February 2024 - February 2024 (1 month)

Abu Dhabi Emirate, United Arab Emirates

## Khalifa University

### Audio Engineer

September 2023 - November 2023 (3 months)

United Arab Emirates

Composed, engineered, and arranged the soundtrack for Khalifa University's 52nd UAE National Day Main Show.

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## Education

### Khalifa University

Bachelor of Engineering - BE, Computer Engineering · (September 2021 - August 2025)

### The International School of Choueifat - Abu Dhabi

High School Diploma · (September 2013 - June 2021)